INDEX TO VOLUME XI

Page numbers preceded by "(P)" refer to the summaries of papers read at the General Meetings of the Association of Clinical Pathologists.

A

ABBOTT, J. D., and SHANNON, R.: A method for typing *Shigella sonnei*, using colicine production as a marker, 71
ABER, G. M. *See* NEALE, F. C., ABER, G. M., and NORTHAM, B. E.
ACKERLEY, A. G. *See* GRESHAM, G. A., and ACKERLEY, A. G.
ACLAND, J. D.: The nature, determination, and clinical importance of blood iodine: a review, 195
ADELSON, E., and ROEDER, W. H.: Studies on fibrinolysin using a clinically practical method of quantitative determination, 82
Adenocarcinoma of uterus, foam cells in stroma of, 19
Adenosis, sclerosing, in surgically removed breasts, 101
Adrenal cortical function, response of urinary 17-hydroxycorticoids to corticotrophin zinc as test of, 78
Age, influence of, on red cell diameter, 53
AHERNE, W. A.: The differentiation of myelomatosis from other causes of bone marrow plasmacytosis, 326
ALDER, V. G. *See* GILLESPIE, W. A., AYLIFFE, G., and ALDER, V. G.
ALEXANDER, J. G.: Congenital agenesis of the spleen with chronic entercolitis in an adult, 396
Alkalosis, severe hypokalaemic, Cushing's syndrome with pigmentation and, 237
ALLINGTON, M. J.: Owren's method for the control of anticoagulant therapy, 62
ALMA, L. *See* VERDENIUS, H. H. W., and ALMA, L.
Amino-aciduria accompanying untreated pernicious anaemia and subacute combined degeneration of spinal cord, 162
Anaemia, familial hypoplastic, (P) 376
— hereditary elliptocytic haemolytic, 316
— megaloblastic, of pregnancy and puerperium:, (P) 371
— — of puerperium, leukaemoid blood picture in, 45
— pernicious, amino-aciduria accompanying untreated, 162
— — gastric lesion in, 289
Anaesthetic apparatus for small animals, simple, 369
Androgens, chromatography of, (P) 552
Aneurysms, traumatic dissecting, 36
Animals, small, simple anaesthetic apparatus for, 369
Anti-alpha haemolysin titres, clinical evaluation of, 417
Antibiotic sensitivity, new technique for testing, 278
Antibiotics, freeze-dried disc technique for determining sensitivity of bacteria to, 421
— sensitivity *in vitro* of Providence group of enteric bacteria to, 270
— sensitivity of various bacteria to, during 1951–56, 185
Antibody content of single cells, 543, (P) 551
Anticoagulant therapy, control of, 56
— Owren's method for control of, 62
— Quick's, Owren's, and Ware's techniques for control of, 56
Antithromboplastin, 39
Apparatus for shaking bacterial cultures, 89
ASHLEY, D. J. B.: Methods for the investigation of the coagulation mechanism in small children, 399
Association of Clinical Biochemists, 552
Association of Clinical Pathologists: 60th General Meeting, 371
— 61st General Meeting, 550
— Broadsheets, 462, 555

Association of Clinical Pathologists (*contd.*)
— Joint Meeting with the Association of Clinical Biochemists, 552
— Postgraduate courses in pathology, 1958–9, 370
— Symposium on Hospital Cocci Infection, 282, 370
AYLIFFE, G. *See* GILLESPIE, W. A., AYLIFFE, G., and ALDER, V. G.

B

Bacteria, sensitivity to antibiotics during 1951–56, 185
Bacterial cell, the, 483
— cultures, simple apparatus for shaking, 89
BAMFORTH, J., and OSBORN, G. R.: Diagnosis from cells, 473
BAREHAM, F. R. *See* DAVIDSON, W. M., BAREHAM, F. R., KITCHEN, L. D., and PEGG, S. H.
BARON, D. N.: An apparatus for holding chromatography paper during "spotting-on," 97
BELL, G. A.: The sharpening of microtome knives, 273
Bence-Jones protein, fractionation of, by starch gel electrophoresis, 334
BERENBAUM, M. C.: The antibody content of single cells, 543, (P) 551
BERRY, C. G.: Antithromboplastin: the degeneration of intrinsic thromboplastin in normal serum, 39
BESWICK, I. P., and SCOTT, G. B. E.: The histogenesis of primary hepatic carcinoma, 1
BEVERLEY, J. K. A., CALEY, J. P., and WARRACK, A. J. N.: Lymphadenopathy in toxoplasmosis, 119
BIEZENSKI, J. J., and MOORE, H. C.: Fibrinolysis in normal pregnancy, 306
Bilirubin, rate of coupling of, in van den Bergh reaction, 155
Biochemical aspects of cell necrosis, 516
BLACKBURN, E. K., JORDAN, A., LYTLE, W. J., SWAN, H. T., and TUDHOPE, G. R.: Hereditary elliptocytic haemolytic anaemia, 316
Blankets, formaldehyde disinfection of, (P) 551
Bleeding, transplacental, from the foetus, 251
Blood films, automatic staining machines for, 92
— iodine, nature, determination and clinical importance of, 195
— lipid levels in cortisone-treated rabbits, (P) 551
— serum test for leukaemia and neoplasia, (P) 554
— smears, peripheral, distribution of cells in, 410
— sugar estimation, phenol reaction for, (P) 374
Bone marrow plasmacytosis, differentiation of myelomatosis from other causes of, 326
— transplants in man, 551
Book Reviews:
'Analar' Standards for Laboratory Chemicals, 1957, 460
Baron, D. N.: *Essentials of Chemical Pathology*, 1957, 288
Biggs, R., and Macfarlane, R. G.: *Human Blood Coagulation and Its Disorders*, 2nd ed., 1957, 98
Boorman, K. E., and Dodd, B. E.: *An Introduction to Blood-group Serology*, 1957, 556
Carleton, H. M.: *Histological Technique*, 3rd ed., 1957, 285
Connective Tissue: A Symposium organized by the C.I.O.M.S., 1957, 459
Culling, C. F. A.: *Handbook of Histopathological Technique*, 1957, 285
Florey, Sir H., ed.: *General Pathology*, 2nd ed., 1958, 284

Book Reviews (*contd.*):
Grönwall, A.: *Dextran and Its Use in Colloidal Infusion Solutions*, 1957, 100
Gurr, E.: *A Practical Manual of Medical and Biological Staining Techniques*, 2nd ed., 1956, 98
Homburger, F.: *The Biologic Basis of Cancer Management*, 1958, 286
Le Quesne, L. P.: *Fluid Balance in Surgical Practice*, 2nd ed., 1957, 287
Mellors, R. C., ed.: *Analytical Pathology*, 1st ed., 1957, 284
Morawitz, P.: *The Chemistry of Blood Coagulation*, 1958, 460
Morgan, A. D.: *The Pathogenesis of Coronary Occlusion*, 1956, 99
Muir's Textbook of Pathology, 7th ed. revised by D. F. Cappell, 1958, 556
Natelson, S.: *Microtechniques of Clinical Chemistry for the Routine Laboratory*, 1957, 459
Roberts, G. F.: *Comparative Aspects of Haemolytic Disease of the Newborn*, 1957, 287
Sevitt, S.: *Burns: Pathology and Therapeutic Applications*, 1957, 287
Spink, W. W.: *The Nature of Brucellosis*, 1957, 288
Tarnoky, A.: *Clinical Biochemical Methods*, 1958, 461
Transactions of the American Goiter Association 1956, 1957, 460
Whitby, Sir L., and Britton, C. J. C.: *Disorders of the Blood*, 8th ed., 1957, 194
Wolman, I. J.: *Laboratory Applications in Clinical Pediatrics*, 1957, 458
Wolstenholme, G. E. W., and O'Connor, C. M., eds.: *Methodology of the Study of Ageing*, 1957, 99
— — *The Cerebrospinal Fluid: Production, Circulation, and Absorption*, 1958, 556
Books Received, 288, 556
Bouton, J.: Primary melanoma of the leptomeninges, 122
Bowers, E., and Denson, K. W.: The estimation of high concentrations of plasma acid phosphatase, 448
Breasts, sclerosing adenosis in surgically removed, 101
Bronchial catarrh, pathogenesis of, 302
Bronchiolitis from nitrous fumes, (P) 376
Bronchitis, acute and chronic, pathogenesis of, 302
— chronic, histology of, (P) 372
Buckell, M.: The effect of citrate on euglobulin methods of estimating fibrinolytic activity, 403

C

Caley, J. P. *See* Beverley, J. K. A., Caley, J. P., and Warrack, A. J. N.
Cameron, C. *See* Goodall, H. B., Graham, F. S., Miller, M. C., and Cameron, C.
Cameron, Sir R.: Symposium in honour of the centenary of Virchow's "Cellular Pathology" (1858–1958): 1958, 463
Cancer, pulmonary, in women living in industrial area of Liège, (P) 373
Capillary viscometer, simple, 363
Caplan, H.: The control of cross-infection by formaldehyde disinfection of blankets, (P) 551
Cappell, D. F., and Johnstone, J. M.: Pleomorphic sarcoma of thigh with long survival, 139
— *see also* Stephens, J. H., Cappell, D. F., and Emery, J. L.
Carcinoid tumours, 5-hydroxytryptophan-secreting, (P) 375
Carcinoma, cytological observations on, (P) 372
— foam cells in stroma of, 19
— giant cell granulomata in regional lymph nodes of, 244
— primary hepatic, histogenesis of, 1
— primary liver cell, after injection of thorotrast, 7
Cardiomegaly, infantile, (P) 550
Catarrh, bronchial, pathogenesis of, 302
Cell, bacterial, 483
— in culture, 489
— necrosis, two biochemical aspects of, 516
Cells, diagnosis from, 473
— distribution of, in peripheral blood smears, 410
— single, antibody content of, 543, (P) 551
Cellular pathology, cytochondrial aspects of, 495
— extension of the limits of, 520
— role of enzyme histochemistry in, 520
Centrifuging pathological material, container for, 192
Cerebral thromboangiitis obliterans, 133
Cervical polypi, foam cells in stroma of carcinoma of, 19
Chordoma, staining reactions of, 110
Chorion epithelioma of the pineal with precocious puberty, (P) 375
Chromatography, ion-exchange, fractionation of serum proteins by, (P) 552
— of androgens, oestrogens, and progestogens, (P) 552
— paper, apparatus for holding during "spotting-on," 97
— — symposium on, (P) 552
Chromogen, plasma, and endogenous creatinine clearance, 173
Chromogenic mycobacteria, isolation of, from laryngeal cultures, 69
Cinematography, time-lapse, glass tissue culture chamber for use in, 455
Citrate, effect of, on euglobulin methods of estimating fibrinolytic activity, 403
Coagulation defect in vitamin K deficiency, 261
— defects, rapid one-stage method for diagnosis of, 406
— mechanism in small children, methods for investigation of, 399
Coccal infection, symposium on, 282, 370
Coeliac disease, gliadin loading test in, (P) 375
Coleman, P. N. *See* Edmunds, A. W. B., McKeown, K. C., and Coleman, P. N.
— *See* Tregillus, J., and Coleman, P. N.
Colicine production, typing *Shigella sonnei* by means of, 71
Collard, P., and Unwin, M.: A trial of Rappaport's medium, 426
Compatibility testing, direct, 311
Congenital toxoplasmosis, 114
Congress (7th) of European Society of Haematology, 1959, 555
Connolly, J. H.: A simple anaesthetic apparatus for small animals, 369
Constable, F. L., and Moffat, M. A. J.: A glass tissue culture chamber for use in time-lapse cinematography, 455
Constandoulakis, M.: Familial haemophilia and factor VII deficiency, 412
Container for handling and centrifuging pathological material, 192
Cooke, K. G. *See* Tombs, M. P., Cooke, K. G., and MacLagan, N. F.
Copper metabolism, in clinically normal relatives of patients with Wilson's disease, 441
— in normal adults, 441
Coronary artery disease, cutaneous petechiae in, 391
Corticotrophin zinc, response of urinary 17-hydroxycorticoids to, 78
Cortisone modified glucose tolerance test, 428
Cortisone-treated rabbits, endogenous lipid pneumonia and blood lipid levels in, (P) 551
Cragg, J. *See* Sclare, G., and Cragg, J.
Crane, C. W., Hayes, R. A., and de Gruchy, G. C.: Aminoaciduria accompanying untreated pernicious anaemia and subacute combined degeneration of the spinal cord, 162
Crawford, T.: The staining reactions of chordoma, 110
Creatinine clearance, plasma chromogen and endogenous, 173
Cross-infection, control of, by formaldehyde disinfection of blankets, (P) 551
Cruickshank, R.: The bacterial cell, 483
Crystals, non-silicious, doubly refractile, in giant cells of tuberculosis, 23
Cumings, J. N.: J. G. Greenfield (Obituary), 281
Cunningham, G. J.: Chairman's summing-up (symposium in honour of Virchow), 548
Curran, R. C., Eckert, H., and Wilson, G. M.: The thyroid gland after treatment of thyrotoxicosis by partial thyroidectomy or ^{131}iodine, (P) 373
Cushing's syndrome with pigmentation and severe hypokalaemic alkalosis, 237
Cutaneous petechiae in fatal coronary artery disease, 391
Cytochondrial aspects of cellular pathology, 495
Cytological observations on carcinoma, (P) 372

D

Daly, J. M. *See* Murray, D. S., and Daly, J. M.
Davidson, E.: The distribution of cells in peripheral blood smears, 410
Davidson, W. M., Bareham, F. R., Kitchen, L. D., and Pegg, S. H.: An automatic staining machine designed for staining blood films made on coverslips, 96
Dawson, I. M. P. *See* Turner, G. C., Dawson, I. M. P., and Pryce-Jones, E.
Decalcification methods in histology, quantitative study of, 229
de Gruchy, G. C. *See* Crane, C. W., Hayes, R. A., and de Gruchy, G. C.

DEW, E. D. *See* HOBSLEY, M., and DEW, E. D.
Diacetyl monoxime, urea estimation by, 367
Diagnosis from cells, 473
Diazo reaction, fractional indirect, 87
DISCHE, S., STAMM, W. P., and GOUDIE, R. B.: Galactose and glucose tolerance in normals, the obese, and post-gastrectomy patients, 350
— *see also* GOUDIE, R. B., STAMM, W. P., and DISCHE, S.
DONNISON, B. *See* MONTGOMERY, R. D., DONNISON, B., and JOLLY, H.
DOUGLAS, A. S.: Some observations on the coagulation defect in vitamin K deficiency, 261
Dry ashing method for estimating plasma protein-bound iodine, rotary drier for use in, 367

E

Ear, Klebsiella serotypes in infections of, 359
ECKERT, H. *See* CURRAN, R. C., ECKERT, H., and WILSON, G. M.
EDMUNDS, A. W. B., MCKEOWN, K. C., and COLEMAN, P. N.: A case of Cushing's syndrome with pigmentation and severe hypokalaemic alkalosis, 237
EDOZIEN, J. C.: Chemical evaluation of hepatic function in Nigerians, 437
E.D.T.A. in urine and serum, determination of, 365
Electrophoresis, paper, of urinary porphyrins, 191
— serum paper, demonstration of intravascular haemolysis by, 206
— starch gel, fractionation of Bence-Jones protein by, 334
ELLIOTT, R. I. K.: Infantile cardiomegaly: the infantile type of endocardial fibroelastosis, (P) 550
Elliptocytic haemolytic anaemia, hereditary, 316
Embolism, fat, in 100 patients dying after injury, 28
— pulmonary, prophylaxis of, (P) 374
EMERY, J. L. *See* STEPHENS, J. H., CAPPELL, D. F., and EMERY, J. L.
EMSON, H. E.: Fat embolism studied in 100 patients dying after injury, 28
Endocardial fibroelastosis, infantile type of, (P) 550
ENGEL, S.: The pathogenesis of bronchial catarrh and of acute and chronic bronchitis, 302
ENGLISH, H. L.: Preparation of stained films of sickle cells, 457
Enteric bacteria, Providence group, sensitivity *in vitro* to 14 antibiotics and nitrofurantoin, 270
Enterocolitis, chronic, congenital agenesis of spleen with, 396
Enzyme histochemistry, role of, in cellular pathology, 520
EPSTEIN, S. S., and FRIEDMANN, I.: Klebsiella serotypes in infections of the ear and upper respiratory tract, 359
Ethylene diamine tetra-acetic acid in urine and serum, determination of, 365
Euglobulin methods of estimating fibrinolytic activity, effect of citrate on, 403
European Society of Haematology, 7th Congress, 555
Evans blue in plasma and serum, 170
— in plasma, extraction technique for estimation of, 451

F

Factor VII deficiency, familial haemophilia and, 412
Faecal porphyrin values in babies, 183
Familial haemophilia and factor VII deficiency, 412
— hypoplastic anaemia, (P) 376
— pulmonary hypertension, pathology of, (P) 550
Fanconi syndrome, (P) 376
FARNAN, P.: The systemic lesions of Whipple's disease, 382
FARTHING, C. P., and PICKLES, B. G.: Non-silicious, doubly refractile crystals in the giant cells of tuberculosis, 23
Fat embolism studied in 100 patients dying after injury, 28
FELL, H. B.: The cell in culture, 489
Fibrinolysin, quantitative determination of, 82
— studies on, 82
Fibrinolysis in normal pregnancy, 306
Fibrinolytic activity, effect of citrate on euglobulin methods of estimating, 403
Fibroelastosis, endocardial, infantile type of, (P) 550
FIRKET, J., and VAN LANCKER, M. A.: Histological types of pulmonary cancers in 33 women living in the industrial area of Liège, (P) 373
FISCHER-WILLIAMS, M. *See* NEALE, F. C., and FISCHER-WILLIAMS, M.
FISHER, C. B., and HOGAN, A. J.: A container for handling and centrifuging pathological material, 192
FLYNN, F. V., and STOW, E. A.: Fractionation of Bence-Jones protein by starch gel electrophoresis, 334
Foam cells in stroma of carcinoma, 19
Foetus, transplacental bleeding from, 251
Formaldehyde disinfection of blankets, (P) 551
Fractionation of Bence-Jones protein by starch gel electrophoresis, 334
Freeze-dried disc technique for determining sensitivity of bacteria to sulphonamides and antibiotics, 421
FRIEDMANN, I. *See* EPSTEIN, S. S., and FRIEDMANN, I.

G

Galactose and glucose tolerance in normals, the obese, and post-gastrectomy patients, 350
— tolerance test, investigation of symptomless glycosuria with, 428
Gastrectomy, galactose and glucose tolerance after, 350
Gastric lesion in pernicious anaemia, 289
— lesions, uro-pepsinogen excretion in patients with, (P) 553
GAVRILESCU, K. E. *See* REED, P. I., and GAVRILESCU, K. E.
GERLIS, L. M.: Cutaneous petechiae in fatal coronary artery disease, 391
Giant cell granulomata in regional lymph nodes of carcinoma, 244
Giant cells, of tuberculosis, non-silicious, doubly refractile crystals in, 23
GIBBS, N. B.: The prophylaxis of pulmonary embolism, (P) 374
GILES, C., and SHUTTLEWORTH, E. M.: Megaloblastic anaemia of pregnancy and puerperium, (P) 371
— The sensitivity of various bacteria to antibiotics during the years 1951 to 1956, 185
GILLESPIE, W. A., AYLIFFE, G., and ALDER, V. G.: Control of staphylococcal infection in surgical wards, (P) 373
Giordano, Alfred S. (Obituary), 282
Gliadin loading test in coeliac disease, (P) 375
Glucosamine hydrochloride injected intravenously in man, fate of, 343
Glucose tolerance in normals, the obese, and post-gastrectomy patients, 350
— test, cortisone modified, 428
Glycosuria, symptomless, investigation of, with galactose and cortisone modified glucose tolerance tests, 428
GOODALL, H. B.: Haemolytic episodes in pregnancy, (P) 371
— GRAHAM, F. S., MILLER, M. C., and CAMERON, C.: Transplacental bleeding from the foetus, 251
GORRILL, R. H., and NEEDS, D. A.: A simple apparatus for shaking bacterial cultures, 89
GOUDIE, R. B., STAMM, W. P., and DISCHE, S.: The investigation of symptomless glycosuria with the galactose and cortisone modified glucose tolerance tests, 428
— *See* DISCHE, S., STAMM, W. P., and GOUDIE, R. B.
GRAHAM, F. S. *See* GOODALL, H. B., GRAHAM, F. S., MILLER, M. C., and CAMERON, C.
GRANT, G. H.: An immunochemical analysis of the proteins of normal urine not present in blood, (P) 553
Granulomata, giant cell, in regional lymph nodes of carcinoma, 244
Granulomatosis, Wegener's, 146
Greenfield, J. G. (Obituary), 281
GRESHAM, G. A., and ACKERLEY, A. G.: Giant cell granulomata in regional lymph nodes of carcinoma, 244

H

Haemangio-endothelioma of the spleen and liver, 142
Haemochromatosis, transfusional haemosiderosis simulating, 128
Haemoglobinopathies in general hospital practice, (P) 374
Haemoglobins, absence of abnormal, in 500 out-patients in Britain, 265
Haemolysin titres, staphylococcal anti-alpha, clinical evaluation of, 417
Haemolysis, intravascular, demonstration of, by means of serum paper electrophoresis and modification of Schumm's reaction, 206
Haemolytic anaemia, hereditary elliptocytic, 316

Haemolytic episodes in pregnancy, (P) 371
Haemophilia, familial, and factor VII deficiency, 412
Haemosiderosis, transfusional, simulating haemochromatosis, 128
HANCOCK, J. A. *See* RENTON, P. H., and HANCOCK, J. A.
HARDWICKE, J.: An unusual case of proteinuria, 227
HARMAN, J. W.: Cytochondrial aspects of cellular pathology, 495
HARRIS, H. R.: Foam cells in the stroma of carcinoma of the body of the uterus and uterine cervical polypi, 19
HAYES, R. A. *See* CRANE, C. W., HAYES, R. A., and DE GRUCHY, G. C.
HEALY, T. M.: Phenol reaction for blood sugar estimation, (P) 374
HEIMER, G. V. *See* TAYLOR, C. E. D., HEIMER, G. V., and SPICER, C. C.
HEMMENS, W. F. *See* JESSOP, W. J. E., and HEMMENS, W. F.
Hepatic carcinoma, primary, histogenesis of, 1
— function in Nigerians, chemical evaluation of, 437
Hepato-lenticular degeneration, copper metabolism in clinically normal relatives of patients with, 441
Hereditary elliptocytic haemolytic anaemia, 316
Hexosamine levels, serum, in health and disease, 177
Histochemistry, enzyme, 520
Histogenesis of primary hepatic carcinoma, 1
Histology, quantitative study of decalcification methods in, 229
HOBSLEY, M., and DEW, E. D.: An extraction technique for the estimation of Evans' blue in plasma, 451
HODGKINSON, A., and ZAREMSKI, P. M.: The estimation of oxalic acid in urine and other biological material, (P) 553
HOGAN, A. J. *See* FISHER, C. B., and HOGAN, A. J.
Hospital coccal infection, symposium on, 283, 370
HUGHES, J. T., and TRUELOVE, L. H.: Transfusional haemosiderosis stimulating haemochromatosis, 128
HUMBLE, J. G., NEWTON, K., and KEMP, N. H.: Observations on bone marrow transplants in man, (P) 551
17-Hydroxycorticoids, urinary, diagnostic response to A.C.T.H., 78
5-Hydroxytryptophan-secreting carcinoid tumours, (P) 375
Hypercalcaemia, further investigation of, (P) 374
Hypertension, familial pulmonary, pathology of, (P) 550
Hypokalaemic alkalosis, Cushing's syndrome with pigmentation and, 237
Hypoplastic anaemia, familial, (P) 376
Hypothermia, value of laboratory tests in, 220

I

Indole metabolism, assessment of disordered, using paper chromatography, (P) 552
Infantile cardiomegaly, (P) 550
— type of endocardial fibroelastosis, (P) 550
Injury, fat embolism after, 28
Intravascular haemolysis, demonstration of, by means of serum paper electrophoresis and modification of Schumm's reaction, 206
Intravenous injection of glucosamine hydrochloride in man, 343
Iodine, blood, nature, determination and clinical importance of, 195
— plasma protein-bound, rotary drier for use in dry ashing method for estimating, 367
— protein-bound, in thyroid disease, (P) 553
— radio-, thyroid gland after treatment of thyrotoxicosis by, (P) 373

J

JACKSON, R. D. *See* O'MEARA, R. A. Q., and JACKSON, R. D.
JAYNE, W. H. W. *See* MORGAN, A. D., JAYNE, W. H. W., and MARRACK, D.
JENKINS, J. S.: The response of urinary 17-hydroxycorticoids to corticotrophin zinc as a test of adrenal cortical function, 78
JESSOP, W. J. E., and HEMMENS, W. F.: The gliadin loading test in coeliac disease, (P) 375
JOLLY, H. *See* MONTGOMERY, R. D., DONNISON, B., and JOLLY, H.
JORDAN, A. *See* BLACKBURN, E. K., JORDAN, A., LYTLE, W. J., SWAN, H. T., and TUDHOPE, G. R.

K

Kaolin clotting time, 406
KEMP, N. H. *See* HUMBLE, J. G., NEWTON, K., and KEMP, N. H.
KESSEL, I. *See* POLITZER, W. M., and KESSEL, I.
KITCHEN, L. D. *See* DAVIDSON, W. M., BAREHAM, F. R., KITCHEN, L. D., and PEGG, S. H.
Klebsiella serotypes in infections of ear and upper respiratory tract, 359
Knives, microtome, sharpening of, 273

L

LANYI, M.: The isolation of chromogenic mycobacteria from laryngeal cultures, 69
Laryngeal cultures, isolation of chromogenic mycobacteria from, 69
LATHE, G. H., and RUTHVEN, C. R. J.: Factors affecting the rate of coupling of bilirubin and conjugated bilirubin in the van den Bergh reaction, 155
LAURENCE, K. M.: Congenital pulmonary lymphangiectasis, (P) 550
LEHMANN, H., PATSTON, V., and RYAN, E.: The inheritance of an idiopathic low plasma pseudocholinesterase level, (P) 554
Leptomeninges, primary melanoma of, 122
Leukaemia, blood serum test for, (P) 554
Leukaemoid blood picture in megaloblastic anaemia of puerperium, 45
LEWIS, J. T. *See* NELSON, M. G., and LEWIS, J. T.
Liège, pulmonary cancers in women living in industrial area of, (P) 373
Lipid pneumonia, endogenous, in cortisone-treated rabbits, (P) 551
Liquid media, effect of sunlight and temperature on redox potential of, 339
Listeria monocytogenes meningitis in a child aged 3 months, 266
Liver and spleen, haemangioendothelioma of, 142
— cell carcinoma after injection of thorotrast, 7
— function in Nigerians, chemical evaluation of, 437
— histogenesis of primary carcinoma of, 1
LLOYD, H. E. D.: A simple capillary viscometer, 363
LOCKWOOD, P.: A rotary drier for use in the dry ashing method for estimating plasma protein-bound iodine, 367
LUBRAN, M., and PEARSON, J. D.: A screening test for steatorrhoea using ^{131}I-labelled triolein, 165
Lung cancers in women living in industrial area of Liège, histological types of, (P) 373
Lupus erythematosus, systemic, new diagnostic test for, 321
Lupus erythematosus factor, placental transfer of, 43
Lymphadenopathy in toxoplasmosis, 119
Lymphangiectasis, congenital pulmonary, (P) 550
Lymph nodes of carcinoma, regional, giant cell granulomata in, 244
LYTLE, W. J. *See* BLACKBURN, E. K., JORDAN, A., LYTLE, W. J., SWAN, H. T., and TUDHOPE, G. R.

M

MCKEOWN, K. C. *See* EDMUNDS, A. W. B., MCKEOWN, K. C., and COLEMAN, P. N.
MACLAGAN, N. F. *See* TOMBS, M. P., COOKE, K. G., and MACLAGAN, N. F.
MCMENEMEY, W. H.: Alfred S. Giordano (Obituary), 282
MCNAUGHT, W.: A simple and safe method for determining the sensitivity of tubercle bacilli to antituberculous agents, 190
MAGNUS, H. A.: A reassessment of the gastric lesion in pernicious anaemia, 289
MARGOLIS, J.: The kaolin clotting time, 406
MARRACK, D. *See* MORGAN, A. D., JAYNE, W. H. W., and MARRACK, D.
Marrow failure with massive marrow plasmocytosis simulating myelomatosis, 377
MARSHALL, T. K.: Traumatic dissecting aneurysms, 36
MARTIN, N. H.: Two biochemical aspects of cell necrosis, 516
— and SCULTHORPE, H.: The non-protein constituents of the plasma in myelomatosis, 330
MATTHIAS, J. Q.: The absence of abnormal haemoglobins in 500 out-patients in Britain, 265

Media, liquid, effect of sunlight and temperature on redox potential of, 339
Medium, Rappaport's, trial of, 426
Megaloblastic anaemia of pregnancy and puerperium, (P) 371
— of puerperium, leukaemoid blood picture in, 45
Melanoma, primary, of the leptomeninges, 122
Meningitis, fatal *Listeria monocytogenes*, in child aged 3 months, 266
Microtome knives, sharpening of, 273
MIDDLETON, J. E.: The sensitivity *in vitro* of the Providence group of enteric bacteria to 14 antibiotics and nitrofurantoin, 270
MILLER, M. C. *See* GOODALL, H. B., GRAHAM, F. S., MILLER, M. C., and CAMERON, C.
MOFFAT, M. A. J. *See* CONSTABLE, F. L., and MOFFAT, M. A. J.
MONTGOMERY, R. D., DONNISON, B., and JOLLY, H.: Congenital toxoplasmosis, 114
MOORE, H. C. *See* BIEZENSKI, J. J., and MOORE, H. C.
MOORE, P. T.: Ornithine carbamyl transferase in serum, (P) 374
MORAN, T. J.: Studies on endogenous lipid pneumonia and blood lipid levels in cortisone-treated rabbits, (P) 551
MORGAN, A. D., JAYNE, W. H. W., and MARRACK, D.: Primary liver cell carcinoma 24 years after intravenous injection of thorotrast, 7
MORGAN, H. G.: The further investigation of hypercalcaemia, (P) 374
MURRAY, D. S., and DALY, J. M.: A blood serum test for leukaemia and neoplasia, (P) 554
MURRAY, J. F., and SHILLINGFORD, J. P.: A comparison of direct and extraction methods for the determination of T–1824 (Evans blue) in plasma and serum, 170
Myasthenia gravis, problem of, (P) 372
Mycobacteria, chromogenic, isolation from laryngeal cultures, 69
Myelomatosis, differentiation of, from other causes of bone marrow plasmacytosis, 326
— marrow failure with massive marrow plasmocytosis simulating, 377
— non-protein constituents of plasma in, 330

N

NEALE, F. C., ABER, G. M., and NORTHAM, B. E.: The demonstration of intravascular haemolysis by means of serum paper electrophoresis and a modification of Schumm's reaction, 206
— and FISCHER-WILLIAMS, M.: Copper metabolism in normal adults and in clinically normal relatives of patients with Wilson's disease, 441
Necrosis, cell, two biochemical aspects of, 516
— renal papillary, in childhood, 296
NEEDS, D. A. *See* GORRILL, R. H., and NEEDS, D. A.
NELSON, M. G., and LEWIS, J. T.: Familial hypoplastic anaemia: the Fanconi syndrome, (P) 376
Neoplasia, blood serum test for leukaemia and, (P) 554
Nephritis associated with *Streptococcus pyogenes* type 12, (P) 551
NEWTON, K. *See* HUMBLE, J. G., NEWTON, K., and KEMP, N. H.
NICOLL, W. D., WATSON, A. J., and WHITELAW, J. W.: Two cases of marrow failure with massive marrow plasmocytosis simulating myelomatosis, 377
Nigerians, chemical evaluation of hepatic function in, 437
Nitrofurantoin, sensitivity *in vitro* of Providence group of enteric bacteria to, 270
Nitrous fumes, bronchiolitis from, (P) 376
Non-protein constituents of plasma in myelomatosis, 320
NORTHAM, B. E. *See* NEALE, F. C., ABER, G. M., and NORTHAM, B. E.

O

Obese, galactose and glucose tolerance in the, 350
Obituary:
Giordano, Alfred S., 282
Greenfield, J. G., 281
Oestrogens, chromatography of, (P) 552
OLIVER, R. A. M.: Placental transfer of the lupus erythematosus factor, 43
O'MEARA, R. A. Q., and JACKSON, R. D.: Cytological observations on carcinoma, (P) 372
Ornithone carbamyl transferase in serum, (P) 374
OSBORN, G. R. *See* BAMFORTH, J., and OSBORN, G. R.
Owren's, method for control of anticoagulant therapy, 56 and 62
Oxalic acid in urine, estimation of, (P) 553
Oxygen tension, reduced, effect on platelet formation *in vitro*, 535

P

Paper chromatography, assessment of disordered indole metabolism using, (P) 552
— symposium on, 552
Paper electrophoresis of urinary porphyrins, 191
— serum, demonstration of intravascular haemolysis by, 206
Papillary necrosis, renal, in childhood, 296
Pathological material, container for handling and centrifuging, 192
— museums, perspex jars for, 92
Pathology, postgraduate courses in, 370
PATSTON, V. *See* LEHMANN, H., PATSTON, V., and RYAN, E.
PAYNE, D. J. H., and SLADE, D. A.: Nephritis associated with *Streptococcus pyogenes* type 12, (P) 551
PEARSE, A. G. E.: Extension of the limits of cellular pathology: the role of enzyme histochemistry, 520
PEARSON, J. D. *See* LUBRAN, M., and PEARSON, J. D.
PEGG, S. H. *See* DAVIDSON, W. M., BAREHAM, F. R., KITCHEN, L. D., and PEGG, S. H.
Pernicious anaemia, amino-aciduria and untreated, 162
— gastric lesion in, 289
Perspex jars for pathological museums, 92
Petechiae, cutaneous, in fatal coronary artery disease, 391
Phenol reaction for blood sugar estimation, (P) 374
Phosphatase, plasma acid, estimations of high concentrations of, 448
PICKLES, B. G. *See* FARTHING, C. P., and PICKLES, B. G.
Pineal, chorion epithelioma of, with precocious puberty, (P) 375
Placental transfer of the lupus erythematosus factor, 43
Plasma acid phosphatase, estimation of high concentrations of, 448
— chromogen and the endogenous creatinine clearance, 173
— determination of T–1824 (Evans blue) in, 170
— extraction technique for estimation of Evans blue in, 451
— non-protein constituents of, in myelomatosis, 330
— protein-bound iodine, rotary drier for use in dry ashing method for estimating, 367
— pseudocholinesterase level, idiopathic low, inheritance of, (P) 554
Plasmacytosis, bone marrow, differentiation of myelomatosis from other causes of, 326
Plasmacytosis, massive marrow, 377
Platelet formation *in vitro*, effect of reduced oxygen tension on, 535
Pneumonia, endogenous lipid, in cortisone-treated rabbits, (P) 551
POLITZER, W. M., and KESSEL, I.: Normal faecal porphyrin values in babies, 183
Porphyrin values, normal faecal, in babies, 183
Porphyrins, urinary, paper electrophoresis of, 191
Post-gastrectomy patients, galactose and glucose tolerance in, 350
Postgraduate courses in pathology, 370
Pregnancy, haemolytic episodes in, (P) 371
— megaloblastic anaemia of, (P) 371
— normal, fibrinolysis in, 306
PROGER, L. W.: Perspex jars for pathological museums, 92
Progestogens, chromatography of, (P) 552
Protein analysis in myelomatosis, 330
— Bence-Jones, fractionation of, by starch gel electrophoresis, 334
Protein-bound iodine, determinations, comparison with radioactive test in thyroid disease, (P) 553
— plasma, rotary drier for use in dry ashing method for estimating, 267
Proteins, of normal urine not present in blood, immunochemical analysis of, (P) 553
— serum, fractionation of, by ion exchange chromatography, (P) 552
Proteinuria, unusual case of, 227
Providence group of enteric bacteria, sensitivity *in vitro* to 14 antibiotics and nitrofurantoin, 270
Prozone phenomenon, Rh antibodies and, 49
PRYCE-JONES, E. *See* TURNER, G. C., DAWSON, I. M. P., and PRYCE-JONES, E.
Pseudocholinesterase level, idiopathic low plasma, inheritance of, (P) 554
Puberty, precocious, chorion epithelioma of pineal with, (P) 375

Puerperium, leukaemoid blood picture in megaloblastic anaemia of, 45
— megaloblastic anaemia of, (P) 371
Pulmonary cancers in women living in Liège, (P) 373
— embolism, prophylaxis of, (P) 374
— hypertension, familial, pathology of, (P) 550
— lymphangiectasis, congenital, (P) 550
PULVERTAFT, R. J. V.: The effect of reduced oxygen tension on platelet formation *in vitro*, 535

Q

Quick's techniques for control of anticoagulant therapy, 56

R

Radioactive iodine test in thyroid disease, (P) 553
Radioiodine, thyroid gland after treatment of thyrotoxicosis by, (P) 373
RAPER, A. B.: Discrete, fibrotic nodules of the splenic pulp, (P) 371
Rappaport's medium, trial of, 426
Red cell diameter, influence of age on, 53
Redox potential of liquid media, effect of sunlight and temperature of, 339
REED, P. I., and GAVRILESCU, K. E.: The value of laboratory tests in hypothermia, 220
REES, E. G. *See* WILKINSON, M., and REES, E. G.
Renal papillary necrosis in childhood, 296
RENTON, P. H., and HANCOCK, J. A.: Rh antibodies and the prozone phenomenon, 49
Respiratory tract, upper, Klebsiella serotypes in infections of, 359
Rh antibodies and the prozone phenomenon, 49
RICE, H. M.: Haemoglobinopathies in general hospital practice, (P) 374
ROEDER, W. H. *See* ADELSON, E., and ROEDER, W. H.
ROSCOE, M. H.: Plasma chromogen and the endogenous creatinine clearance, 173
Rotary drier for use in dry ashing method for estimating plasma protein-bound iodine, 367
RUTHVEN, C. R. J. *See* LATHE, G. H., and RUTHVEN, C. R. J.
RYAN, E. *See* LEHMANN, H., PATSTON, V., and RYAN, E.

S

SALSBURY, A. J. *See* SCHWABACHER, H., and SALSBURY, A. J.
SANDISON, A. T.: A study of surgically removed specimens of breast, with special reference to sclerosing adenosis, 101
SANDLER, M.: The assessment of disordered indole metabolism using paper chromatography, (P) 552
— 5-Hydroxytryptophan-secreting carcinoid tumours, (P) 375
Sarcoma, pleomorphic, of thigh with long survival, 139
SCHRAGER, J.: Uro-pepsinogen excretion in patients with gastric lesions, (P) 553
Schumm's reaction, demonstration of intravascular haemolysis by modification of, 206
SCHWABACHER, H., and SALSBURY, A. J.: The clinical evaluation of staphylococcal anti-alpha haemolysin titres in patients' sera, 417
SCLARE, G., and CRAGG, J.: A leukaemoid blood picture in megaloblastic anaemia of the puerperium, 45
Sclerosing adenosis in surgically removed breasts, 101
SCOTT, G. B. E. *See* BESWICK, I. P., and SCOTT, G. B. E.
Sensitivity, antibiotic, new technique for testing, 278
— *in vitro* of Providence group of enteric bacteria, 270
— to sulphonamides and antibiotics, freeze-dried disc technique for determining, 421
Serum, determination of ethylene diamine tetra-acetic acid in, 365
— determination of T–1824 (Evans blue) in, 170
— hexosamine levels in health and disease, 177
— ornithone carbamyl transferase in, (P) 374
— paper electrophoresis, demonstration of intravascular haemolysis by, 206
— proteins, fractionation of, by ion exchange chromatography, (P) 552
— routine assay of vitamin B_{12} in, 224
SHANNON, R. *See* ABBOTT, J. D., and SHANNON, R.
Shigella sonnei, typing of, by means of colicine production, 71
SHILLINGFORD, J. P. *See* MURRAY, J. F., and SHILLINGFORD, J. P.
SHORT, R. V.: Chromatography of androgens, oestrogens, and progestogens, (P) 552
SHUTTLEWORTH, E. M. *See* GILES, C., and SHUTTLEWORTH, E. M.
Sickle cells, preparation of stained films of, 457
SLADDEN, R. A. *See* SPRIGGS, A. I., and SLADDEN, R. A.
SLADE, D. A. *See* PAYNE, D. J. H., and SLADE, D. A.
SMITH, D. C., and TOMPSETT, S. L.: The determination of ethylene diamine tetra-acetic acid (E.D.T.A.) in urine and serum, 365
SPICER, C. C. *See* TAYLOR, C. E. D., HEIMER, G. V., and SPICER, C. C.
Spinal cord, amino-aciduria and subacute combined degeneration of, 162
Spleen and liver, haemangio-endothelioma of, 142
— congenital agenesis of, with chronic enterocolitis in an adult, 396
Splenic pulp, discrete, fibrotic nodules of, (P) 371
SPRIGGS, A. I., and SLADDEN, R. A.: The influence of age on red cell diameter, 53
Stained films of sickle cells, preparation of, 457
Staining machine, automatic, for blood films, 96
— reactions of chordoma, 110
STAMM, W. P. *See* DISCHE, S., STAMM, W. P., and GOUDIE, R. B.
— *See* GOUDIE, R. B., STAMM, W. P., and DISCHE, S.
Staphylococcal anti-alpha haemolysin titres in patients' sera, clinical evaluation of, 417
— infection in surgical wards, control of, (P) 373
Starch gel electrophoresis, fractionation of Bence-Jones protein by, 334
Steatorrhoea, screening test for, using ^{131}I-labelled triolein, 165
STEINITZ, K.: Comparison of protein-bound iodine determination with radioactive test in thyroid disease, (P) 553
STEPHENS, J. H., CAPPELL, D. F., and EMERY, J. L.: Chorion epithelioma of the pineal with precocious puberty, (P) 375
STIRLING, G. A.: Renal papillary necrosis in childhood, 296
STOW, E. A. *See* FLYNN, F. V., and STOW, E. A.
Streptococcus pyogenes type 12, nephritis associated with, (P) 551
Subacute combined degeneration of spinal cord, amino-aciduria accompanying, 162
Sugar estimation, blood, phenol reaction for, (P) 374
Sulphonamides, freeze-dried disc technique for determining sensitivity of bacteria to, 421
Sunlight, effect on redox potential of liquid media, 339
Surgical wards, control of staphylococcal infection in, (P) 373
SWAN, H. T. *See* BLACKBURN, E. K., JORDAN, A., LYTLE, W. J., SWAN, H. T., and TUDHOPE, G. R.

T

T–1824 (Evans blue) in plasma and serum, 170
— extraction technique for estimation of, 451
TASKER, R. G.: Haemangio-endothelioma of the spleen and liver, 142
TAYLOR, C. E. D., HEIMER, G. V., and SPICER, C. C.: A critical assessment of the freeze-dried disc technique for determining the sensitivity of bacteria to sulphonamides and antibiotics, 421
TAYLOR, W. K.: Histology of chronic bronchitis, (P) 372
Temperature, effect on redox potential of liquid media, 339
Thigh, pleomorphic sarcoma of, with long survival, 139
THOMAS, A. M.: A case of Wegener's granulomatosis, 146
Thorotrast, liver cell carcinoma after injection of, 7
Thromboplastin, intrinsic, degeneration of in normal serum, 39
Thromboangiitis obliterans, cerebral, 133
Thyroid disease, comparison of protein-bound iodine determinations with radioactive test in, (P) 553
— gland after treatment of thyrotoxicosis by partial thyroidectomy or ^{131}iodine, (P) 373
Thyrotoxicosis, treatment by partial thyroidectomy or ^{131}iodine, (P) 373
TIFFIN, A. I., and WILLIAMSON, G. M.: The routine assay of B_{12} in serum, 224
Time-lapse cinematography, glass tissue culture chamber for use in, 455
Tissue culture chamber for use in time-lapse cinematography, 455
Tissue culture, 489
TOMBS, M. P., COOKE, K. G., and MACLAGAN, N. F.: The fractionation of serum proteins by ion exchange chromatography, (P) 552

TOMPSETT, S. L. *See* SMITH, D. C., and TOMPSETT, S. L.
TOOHEY, M.: Comparison of Quick's, Owren's, and Ware's techniques for the control of anticoagulant therapy, 56
Toxoplasmosis, congenital, 114
— lymphadenopathy in, 119
Transfusional haemosiderosis simulating haemochromatosis, 128
Transplacental bleeding from the foetus, 251
Traumatic dissecting aneurysms, 36
TREGILLUS, J., and COLEMAN, P. N.: Pathology of familial pulmonary hypertension, (P) 550
Triolein, ^{131}I-labelled, screening test for steatorrhoea using, 165
TRUELOVE, L. H. *See* HUGHES, J. T., and TRUELOVE, L. H.
Tubercle bacilli, determination of sensitivity to antituberculous agents, 190
Tuberculosis, non-silicious, doubly refractile crystals in giant cells of, 23
TUDHOPE, G. R. *See* BLACKBURN, E. K., JORDAN, A., LYTLE, W. J., SWAN, H. T., and TUDHOPE, G. R.
Tumours, carcinoid, 5-hydroxytryptophan-secreting, (P) 375
TURNER, G. C., DAWSON, I. M. P., and PRYCE-JONES, E.: Fatal *Listeria monocytogenes* meningitis in a child aged 3 months, 266

U

UNWIN, M. *See* COLLARD, P., and UNWIN, M.
Urea estimation by diacetyl monoxime, 367
Urinary 17-hydroxycorticoids, diagnostic response to A.C.T.H., 78
— response to corticotrophin zinc as test of adrenal cortical function, 78
Urinary porphyrins, paper electrophoresis of, 191
Urinary proteins not present in blood, immunochemical analysis of, (P) 553
Urine, determination of ethylene diamine tetra-acetic acid in, 365
— estimation of oxalic acid in, (P) 553
Uro-pepsinogen excretion in patients with gastric lesions, (P) 553
Uterus, foam cells in stroma of carcinoma of, 19

V

Van den Bergh reaction, rate of coupling of bilirubin and conjugated bilirubin, 155
VAN LANCKER, M. A. *See* FIRKET, J., and VAN LANCKER, M. A.
VELLA, F.: A comment on the fractional indirect diazo reaction, 87
VERDENIUS, H. H. W., and ALMA, L.: A quantitative study of decalcification methods in histology, 229
VERGHESE, N.: Paper electrophoresis of urinary porphyrins, 191
Virchow's "Cellular Pathology," symposium in honour of centenary of, 463
Viscometer, simple capillary, 363
Vitamin B_{12} in serum, routine assay of, 224
Vitamin K deficiency, coagulation defect in, 261

W

Ware's method for control of anticoagulant therapy, 56
WARRACK, A. J. N.: Bronchiolitis from nitrous fumes, (P) 376
— *see also* BEVERLEY, J. K. A., CALEY, J. P., and WARRACK, A. J. N.
WATSON, A. J. *See* NICOLL, W. D., WATSON, A. J., and WHITELAW, J. W.
WEARNE, J. T.: A note on urea estimation by diacetyl monoxime, 367
Wegener's granulomatosis, case of, 146
WEIDEN, S.: Serum hexosamine levels in health and disease, 177
— and WOOD, I. J.: The fate of glucosamine hydrochloride injected intravenously in man, 343
Whipple's disease, systemic lesions of, 382
WHITELAW, J. W. *See* NICOLL, W. D., WATSON, A. J., and WHITELAW, J. W.
WILKINSON, M., and REES, E. G.: An evaluation of a new diagnostic test for systemic lupus erythematosus, 321
WILLIAMSON, G. M. *See* TIFFIN, A. I., and WILLIAMSON, G. M.
WILSON, G. M. *See* CURRAN, R. C., ECKERT, H., and WILSON, G. M.
Wilson's disease, copper metabolism in clinically normal relatives of patients with, 441
WOLMAN, L.: Cerebral thromboangiitis, 133
WOOD, I. J. *See* WEIDEN, S., and WOOD, I. J.
WOOLF, A. L.: The problem of myasthenia gravis, (P) 372

Y

YOUNG, N. A. F.: Direct compatibility testing, 311

Z

ZADOR, S.: The effect of sunlight and temperature on the redox potential of liquid media, 339
— A new technique for testing antibiotic sensitivity, 278
ZAREMBSKI, P. M. *See* HODGKINSON, A., and ZAREMBSKI, P. M.

PRINTED IN GREAT BRITAIN BY FISHER, KNIGHT AND CO., LTD., GAINSBOROUGH PRESS, ST. ALBANS.